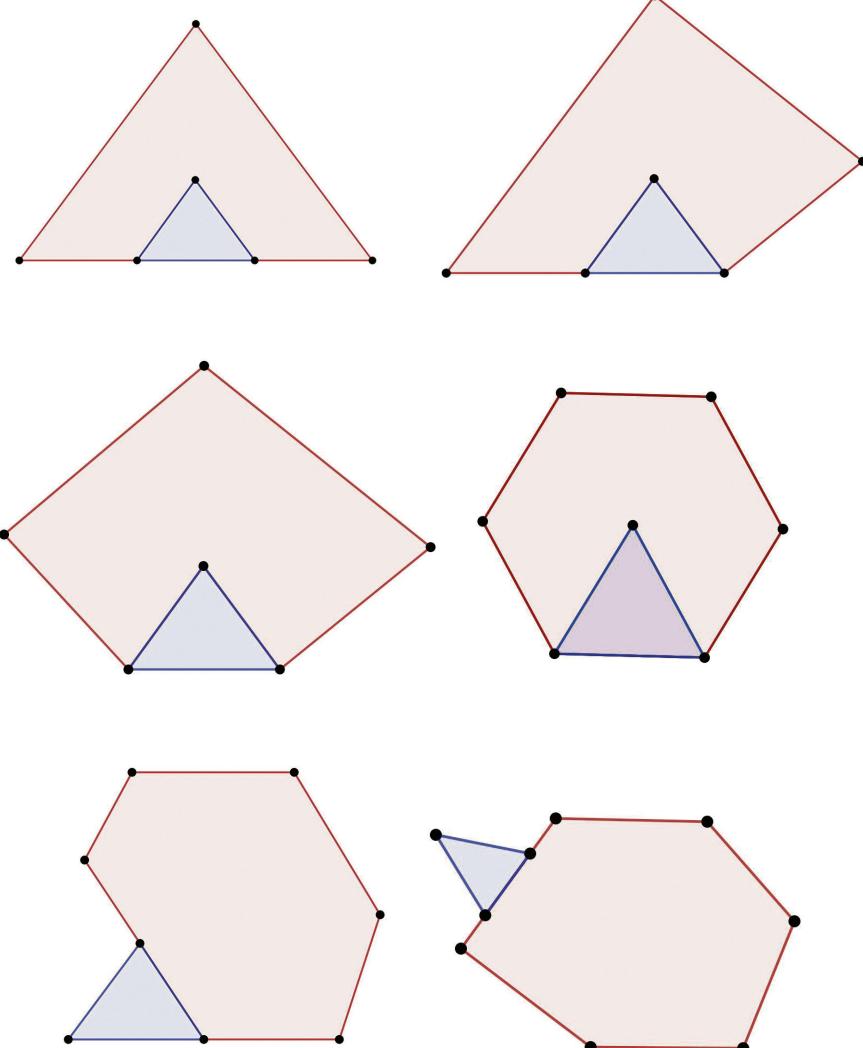


# 10 NUMBER GAMES

THE HINDU IN SCHOOL  
SUNDAY, JANUARY 7, 2018

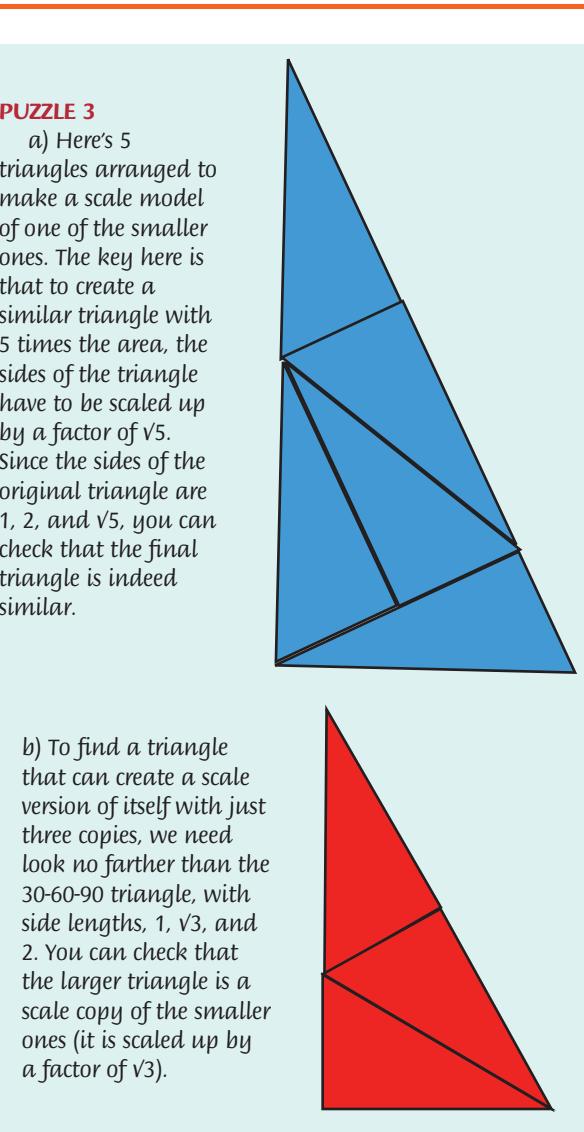
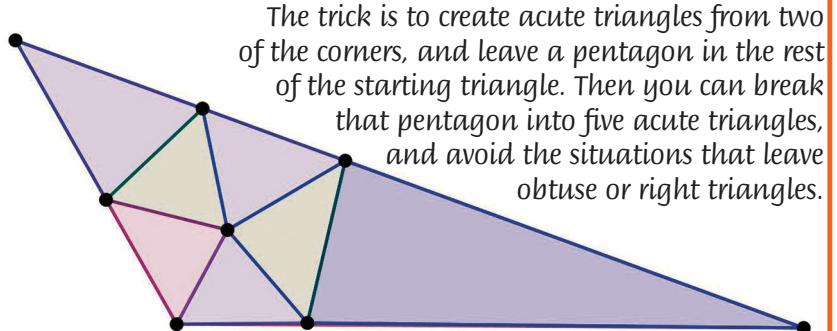
## PUZZLE 1

I love this puzzle because I got it wrong the first time I attacked it. I posed it to a classroom of kids, and thought I had all the possibilities accounted for. A student surprised me at the end of class by showing that it's possible to take a hexagon and a triangle and conjoin them to make a triangle. I had missed this completely. Here are the answers:



## PUZZLE 2

Believe it or not, it takes no fewer than 7 acute triangles for our dissection to contain no obtuse or right triangles.



If you're interested in exploring Puzzle 3 further, see if you can continue for 6, 7, 8, etc. triangles. Is it always possible? Is there some method to make the construction easier? Happy puzzling!